# Where does Easton Community Centre get its energy?

Solar panels

**Boreholes** 

There are

twelve boreholes under Owen **Square Park** 

**Easton** 

Centre

**Energy** centre

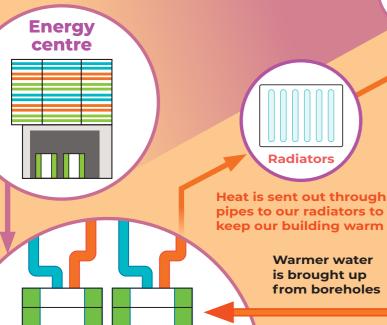
Community

#### **Easton Community Centre is heated by** an electric ground source heat pump.

This brings natural heat up from the ground, amplifies it and sends it out to our pipes and radiators to keep the building warm. The heat pump is powered by electricity that comes from our solar panels and from the grid.

## LOOK DOWN!

## **Heat from the ground**



Two heat pumps inside the energy centre

The heat pumps elevate the temperature of the water from the boreholes to a higher temperature

The switch from a gas boiler to an electric heat pump lowered our carbon emissions by 85%.

Cold water is sent back down into the boreholes

There are 4km of pipes underground

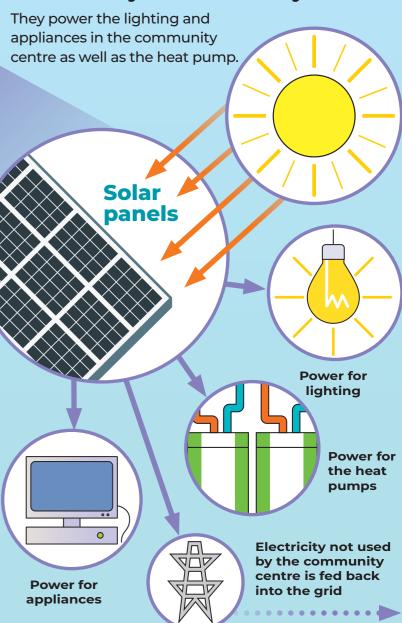
Laid end to end they would stretch from the community centre all the way to Castle Park and back!

Each borehole The heat pump goes 150 is connected metres\* under to 12 boreholes the park. It harnesses underground heat by pumping water through these pipes \* 150 metres is the height of about 15 houses!

LOOK UP!

## **Energy from the sun**

163 solar panels on our roof turn the sun's rays into electricity.





**Bristol Energy Cooperative** funded the panels through a community share offer. The first array was installed on our roof in 2012, making Easton Community Centre the first community building in Bristol with solar panels.

Community Climate Action



